Appl. No. 09/681,263
Amdt. Dated April 3, 2006
Reply to Office Action of Nov. 1, 2005

Attorney Docket
No.   00H1451

This listing of claims will replace all prior versions, and listings, of the claims in this application:

Listing of Claims

Claim 1 (currently amended): A computer-implemented builder tool to create a target executable file for a multiple virtual machine environment, comprising:

a computerized system comprising a graphical user interface;

an overview component, presented on said [[display component]] graphical user interface, depicting a plurality of virtual machines of an embedded virtual machine environment having concurrently-running virtual machines; and

a parameter detail component, presented on said [[display component]] graphical user interface concurrently with display, in said overview component, of its related virtual machine of said plurality of virtual machines of an embedded virtual machine environment;

wherein said parameter detail component displays parameter information associated with at least one of the virtual machines of said overview component, and wherein the builder tool facilitates building multiple applications into an executable image to run in a multiple virtual machine environment having concurrently-running virtual machines.

Claim 2 (original): The computer-implemented builder tool of claim 1, wherein said overview component further comprises a project choice.

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Claim 3 (original): The computer-implemented builder tool of claim 2, wherein said project choice further comprises a plurality of choices.

Claim 4 (original): The computer-implemented builder tool of claim 1, wherein each virtual machine of said plurality of virtual machines further comprises a plurality of associated virtual machine parameter group designators.

Claim 5 (original): The computer-implemented builder tool of claim 4, wherein said overview component comprises a tree structure facilitating parameter group designator selection.

Claim 6 (original): The computer-implemented builder tool of claim 4, wherein said overview component comprises an index tab structure facilitating parameter group designator selection.

Claim 7 (original): The computer-implemented builder tool of claim 4, wherein said overview component comprises a main menu and sub-menu structure facilitating parameter group designator selection.

Claim 8 (original): The computer-implemented builder tool of claim 1, wherein at least one virtual machine of said plurality of virtual machines comprises an interrupt assignment parameter group designator.

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Claim 9 (original): The computer-implemented builder tool of claim 1, wherein each virtual machine of said plurality of virtual machines comprises an interrupt assignment parameter group designator.

Claim 10 (original): The computer-implemented builder tool of claim 8, wherein said parameter detail component comprises a method signature entry field when said interrupt assignment parameter group designator is selected.

Claim 11 (original): The computer-implemented builder tool of claim 1, further comprising a new virtual machine creator.

Claim 12 (original): The computer-implemented builder tool of claim 11, wherein said new virtual machine creator comprises a routine prompting a user to enter data needed to create a new virtual machine.

Claim 13 (original): The computer-implemented builder tool of claim 12, wherein said routine also automatically retrieves data needed to create a new virtual machine.

Claim 14 (original): The computer-implemented builder tool of claim 1, further comprising a resource manager.

Claim 15 (original): The computer-implemented builder tool of claim 14, wherein said resource manager further comprises a resource determination algorithm.

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Claim 16 (original): The computer-implemented builder tool of claim 15, wherein said resource manager further comprises a resource modification interface.

Claim 17 (original): The computer-implemented builder tool of claim 16, wherein said resource modification interface comprises a resource allocation interface.

Claim 18 (original): The computer-implemented builder tool of claim 16, wherein said resource modification interface comprises a. resource removal interface.

Claim 19 (original): The computer-implemented builder tool of claim 1, further comprising a parameter determination algorithm.

Claim 20 (original): The computer-implemented builder tool of claim 19, wherein said parameter determination algorithm comprises a parameter prioritization structure.

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Claims 21-46 (canceled)

Claim 47 (currently amended): A computer-readable storage medium, comprising a computer-executable code to establish a builder tool for an embedded multiple independent virtual machine environment, <u>wherein the builder tool facilitates building multiple applications into an executable image to run in a multiple virtual machine environment having concurrently-running virtual machines,</u> said code comprising an algorithm to determine build parameters, said algorithm to determine build parameters being structured to perform a prioritized search based on how the parameter was defined; said code further comprising an algorithm to determine available resources, said algorithm to determine available resources being structured to permit user allocation of an available resource; said code further comprising an algorithm to dynamically update available resource data throughout the builder tool, in real time, upon determining the available resources; said code further comprising an algorithm to dynamically update available build parameter data throughout the builder tool, in real time, upon determination of build parameters; and said code further comprising a routine to permit user configuration of hardware pins via a graphical user interface.

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Claim 48 (currently amended): A computer-implemented builder tool to create a target executable file for a multiple virtual machine environment, comprising:

means for executing computer code; and

means for displaying a visual user interface, coupled with said means for executing computer code, said means for displaying comprising a visible overview component depicting a plurality of virtual machines of an embedded multiple virtual machine environment having concurrently-running virtual machines and a visible parameter detail component related to a depicted virtual machine of said plurality of virtual machines;

wherein the builder tool facilitates building multiple applications into an executable image to run in an environment of concurrently-running multiple virtual machines.